



CITY OF ABERDEEN.

---

# Report

BY THE

MEDICAL OFFICER OF HEALTH,

FOR THE QUARTER ENDING

31st MARCH, 1895.

V.  
CITY OF ABERDEEN.

REPORT BY THE MEDICAL OFFICER OF HEALTH  
For the Quarter Year ending 31st March, 1895.

The following are the statistics of the births, deaths, and marriages during the quarter:—

(a) WHOLE CITY.

Births.			Deaths.			Marriages.		
No.	Equivalent Annual Rate per 1000 of Population.	Average Rate 1892—94 (3 years.)	No.	Equivalent Annual Rate per 1000 of Population.	Average Rate 1892—94 (3 years.)	No.	Equivalent Annual Rate per 1000 of Population.	Average Rate 1892—94 (3 years.)
1081	32·7	31·1	811	24·6	21·4	268	8·1	7·4

(b) ST. NICHOLAS AND TORRY PORTION.

525	37·4	35·31	427	30·2	23·6	181	12·9	10·39
-----	------	-------	-----	------	------	-----	------	-------

(c) OLD MACHAR PORTION.

556	29·3	28·21	384	20·4	19·8	87	4·6	5·28
-----	------	-------	-----	------	------	----	-----	------

In the following Table (I.) the deaths are grouped according to the age of the persons dying:—

TABLE I.—MORTALITY AT FIVE PERIODS OF LIFE.

*First Quarter of 1895.*

AGE.	Population at each period of life Estimated to middle of 1895.	Per-centage of Population at each period of life.	Number of Deaths.	Per-centage of Deaths.	Equiv. Annual Death Rate per 1,000 persons living at each period of life, 1895.	Average of 1890—94 (5 years).
Years.						
Under 5, . . . . . (Infant period).	18,394	13·75	351	43·28	77·39	50·64
5—15, . . . . . (School period).	30,046	22·46	31	3·82	4·18	4·97
15—25, . . . . . (Adolescent period).	26,459	19·78	44	5·43	6·74	7·84
25—60, . . . . . (Mature period).	48,091	35·95	166	20·47	14·00	14·75
Above 60, . . . . . Post-mature period).	10,783	8·06	219	27·00	82·37	87·57
Totals, . . . . .	133,773	100·00	811	100·00	24·59	22·00

\* Estimated Population to middle of 1895—City, 133,773; of which in St. Nicholas (including Torry), 37,354, and in Old Machar (including Old Aberdeen and Woodside), 76,419.

TABLE II.—ABSTRACT OF THE METEOROLOGY, MORTALITY, AND MORBIDITY. First Quarter of Year, ending 31st March.

METEOROLOGY.*										MORTALITY (expressed as annual Death Rate per 10,000 of Population).										ZYMOTIC MORBIDITY (being number of notified or discovered Cases of Sickness from principal Zymotic diseases).									
Year.	Mean Barometrie Pressure (reduced)		Tem- perature.		Mean Humidity (Sat. 100).	Rain.		Hours of Sunshine	Wind.		All Causes.	Zymotic Diseases.		Tubercular Diseases, chiefly Phthisis.	Diseases of--					Developmental Diseases (incl. Old Age).	Total Cases.	Small Pox.	Measles.	Scarlet Fever.	Whooping Cough.	Typhus Fever.	Typhoid Fever.	Diphtheria.	
	Ins.	o F.	o F.	Daily Range.		No. of Days it fell.	Amount.		Prevailing Directions.	Velocity. Miles per hour.		Respiratory System (excl. Phthisis).	Circulatory System.		Urinary System.	Nervous System.	Digestive System.												
1st Quarter, 1895 .	29.828	33.8	10.1	77	42	9.31	224	N.W., W., & N.	14	245.6	57.6	2.1	28.7	43.6	19.5	4.5	24.4	10.3	7.8	0	2497	0	2268	76	86	0	32	35	
1st Quarter, 1894 .	29.677	39.5	10.4	78	50	5.72	324	S., S.W., & W.	15	205.4	20.8	3.0	23.1	49.3	15.6	3.7	22.7	17.2	9.9	1346	0	145	132	101.4	0	31	24		
1893 .	29.800	39.4	10.1	78	42	5.93	289	S.W., W., & N.W.	13	187.8	13.3	1.9	30.2	44.1	15.5	4.4	23.9	12.2	9.5	353	0	176	95	9	4	34	35		
1892 .	29.818	36.9	9.1	77	56	7.03	255	N.W., S.W., & W.	14	250.1	50.3	3.2	27.1	50.9	17.6	6.0	26.5	17.3	13.3	938	0	4	148	690	23	45	28		
1891 .	29.971	38.4	11.2	84	45	3.74	319	S.W., W., & N.	16	196.8	7.7	1.9	25.5	46.7	15.1	5.2	31.2	16.2	12.9	291	0	20	190	39	0	23	19		
1890 .	29.813	40.7	8.9	84	50	6.58	229	W., S.W., & S.	15	259.2	34.3	2.2	25.5	63.4	19.4	4.3	34.0	11.7	17.0	838	0	365	45	391	0	25	12		
1889 .	29.922	39.1	11.1	...	64	6.31	237	S.W., N., & N.W.	14	187.5	6.4	5.2	25.5	40.3	20.0	8.5	26.3	13.6	8.7	607	0	466	15	108	0	13	5		
1888 .	29.924	36.3	10.0	...	64	7.47	244	S.W., N.W., & N.	13	200.8	13.1	3.3	18.8	43.4	24.1	5.0	28.3	14.9	10.4	376	2	19	68	252	5	24	6		
1887 .	29.977	39.2	11.4	...	57	6.17	307	S.W., W., & N.W.	16	293.0	77.7	3.5	30.3	55.1	15.3	8.1	33.3	17.2	9.4	3055	1	2573	145	295	11	22	8		
1886 .	29.843	36.3	9.8	83	63	7.05	219	W., S.E., & S.W.	13	200.3	10.9	5.8	27.8	37.3	19.1	6.2	24.1	14.9	14.4	428	0	7	214	155	1	23	28		
1885 .	29.413	38.9	10.6	81	62	6.86	292	S.W., N., & S.	14	212.3	11.5	3.1	28.8	44.4	16.6	4.2	28.2	16.2	16.1	387	0	177	36	103	1	61	9		
Means 1885-1894 }	29.816	38.5	10.3	81	55	6.29	271	S.W., W., & N.W.	14	219.3	24.6	3.3	26.3	47.5	17.8	5.6	27.8	15.1	12.2	861.9	0.3	395.2	108.8	305.6	4.5	30.1	17.4		

\* From observations at King's College Observatory by Mr. W. Boswell.

It will be observed that the birth-rate, death-rate, and marriage-rate have all of them been above the average—notably the death-rate.

It will also be noticed that in the St. Nicholas and Torry division of the City all three rates are distinctly higher than in the Old Machar division—the birth-rate by 26 per cent., the death-rate by 48 per cent., and the marriage-rate by 180 per cent. The enormous excess in the marriage rate is in part, if not wholly, due to the marriages—some of which are of persons from the surrounding rural districts—in certain small halls within St. Nicholas.

The analysis of the age-distribution of the mortality in Table I., shows that the high death-rate in the whole City is mainly due to a high mortality among children under five years of age. This has arisen, as mentioned in the monthly reports, from the prevalence of a heavy epidemic of measles which, as usual, has sought its victims mostly among young children.

Compared with the corresponding quarter in the preceding ten years, the first quarter of this year exhibits a total death-rate which is above the average by 12 per cent., and is higher than in any individual year of the decennium except 1887, 1890, and 1892. The death-rate from each of the following groups of diseases is also above the average, viz. :—miasmatic (by 134 per cent.), tubercular (by 9 per cent.), circulatory (by 9 per cent.) ; while the rate from each of the following is below the average, viz. :—diarrhoeal (by 36 per cent.), respiratory (by 8 per cent.), urinary (by 19 per cent.), nervous (by 12 per cent.), digestive (by 31 per cent.), and developmental (by 36 per cent.) The most notable features are, therefore, the very high miasmatic rate, and the low respiratory, developmental, and digestive rates. The low respiratory rate is of interest in view of the extremely cold weather which prevailed during the quarter, giving a mean temperature 4·7° F. below the average.

The large number of 2,497 sicknesses from the more important zymotic diseases were reported or discovered during the quarter, 164 of which, or 6·6 per cent. terminated fatally ; as against an average in the corresponding quarter of the previous ten years of 861 sicknesses, with 59 deaths, or 6·8 per cent.

The great increase is due almost entirely to *Measles*, of which 2,268 cases were reported, with a mortality of 5·7 per cent. The mortality was almost exactly equal to the average in preceding years.

There were comparatively few cases of *Scarlet Fever*—only 76, but the mortality rate was high, being 7·9 per cent., or more than twice as high as the average.

There were also few cases of *Whooping Cough*—86, and the mortality rate was likewise high, being so much as 16·3 per cent., or considerably more than twice the average rate.

*Diphtheria* was unusually prevalent, 35 cases having been reported, as against an average of 17, but the mortality rate was only about two-thirds of the average.

*Typhoid Fever* produced a considerable number of cases, viz., 35, and although above the average of the preceding ten years, they were under the average of the preceding three years. The mortality rate was 18·7 per cent., or almost a half more than the average.

There were no cases of *small-pox* or *typhus fever*.

TABLE III.—MORBIDITY AND MORTALITY OF ZYMATICS (MIASMATICS) DURING THE FIRST QUARTER OF EACH YEAR FROM 1885 TO 1895, INCLUSIVE.

DISEASE.		1895	1894	1893	1892	1891	1890	1889	1888	1887	1886	1885	1885-94.	
													Total.	Annual Average
Small Pox,	No. of Sicknesses,	0	0	0	0	0	0	2	1	0	0	0	3	0.3
	No. of Deaths, ....	0	0	0	0	0	0	1	0	0	0	0	1	0.1
	Percent. of Deaths to Sicknesses,...	0	0	0	0	0	0	50.0	0	0	0	0	...	33.3
Measles, ...	No. of Sicknesses,	2268	145	176	4	20	365	464	19	2573	7	177	3950	395.0
	No. of Deaths,.....	130	4	15	1	1	14	5	0	175	0	8	223	22.3
	Percent. of Deaths to Sicknesses,...	5.7	2.7	8.5	25.0	5.0	3.8	1.1	0	6.8	0	4.5	...	5.6
Scarlet Fever, ...	No. of Sicknesses,	76	132	93	148	190	45	15	68	145	214	26	1086	108.6
	No. of Deaths,.....	6	8	2	4	8	0	0	2	5	5	1	35	3.5
	Percent. of Deaths to Sicknesses,...	7.9	6.1	2.2	2.7	4.2	0	0	2.9	3.4	2.3	2.8	...	3.2
Whooping Cough, ..	No. of Sicknesses,	86	1014	9	690	39	391	108	252	295	155	103	3056	305.6
	No. of Deaths,.....	14	38	1	56	3	32	10	30	32	9	12	223	22.3
	Percent. of Deaths to Sicknesses,...	16.3	3.7	11.1	8.1	7.7	8.2	9.3	11.9	10.8	5.8	11.6	...	7.3
Diphtheria,	No. of Sicknesses,	35	24	35	28	19	12	5	6	8	28	9	174	17.4
	No. of Deaths,.....	8	8	9	17	6	2	2	2	3	10	3	62	6.2
	Percent. of Deaths to Sicknesses,...	22.9	33.4	25.7	60.7	31.6	16.6	40.0	33.3	37.5	35.7	33.3	...	35.6
Typhoid Fever, ...	No. of Sicknesses,	32	31	34	43	23	25	13	24	22	23	61	299	29.9
	No. of Deaths,.....	6	3	4	8	1	8	2	3	7	3	2	41	4.1
	Percent. of Deaths to Sicknesses,...	18.7	9.7	11.8	18.6	4.3	32.0	15.4	12.5	31.8	13.0	3.3	...	13.7
Typhus Fever, ...	No. of Sicknesses,	0	0	4	25	0	0	0	5	11	1	1	47	4.7
	No. of Deaths,.....	0	0	0	2	0	0	0	1	2	0	1	6	0.6
	Percent. of Deaths to Sicknesses,...	0	0	0	8.0	0	0	0	20.0	18.2	0	100.0	...	12.8
Totals, .....	No. of Sicknesses,	2497	1346	351	938	291	838	607	375	3054	428	387	8615	861.5
	No. of Deaths,.....	164	61	31	88	17	56	20	38	224	27	27	589	58.9
	Percent. of Deaths to Sicknesses,...	6.6	4.5	8.8	9.4	6.5	6.7	3.3	10.1	7.3	6.3	6.9	...	6.8



TABLE IV.—BIRTH AND DEATH RATES OF THE EIGHT PRINCIPAL TOWNS OF SCOTLAND  
DURING THE QUARTER ENDING 31ST MARCH, 1895.

	Glasgow.	Edin- burgh.	Dundee.	Aber- deen.	Leith.	Paisley.	Greenock	Perth.
Estimated population ..... ( <i>in thousands</i> ).	696	274	160	134	73	72	62	30
Birth-Rate ..... ( <i>per 1000 of population</i> ).	34·0	27·4	28·6	32·8	32·2	32·9	34·9	28·4
Death-Rate ... .. ( <i>per 1000 of population</i> ).								
( <i>a</i> ) From all causes, and at every age .....	34·5	30·4	25·9	24·6	26·9	28·0	26·9	24·3
( <i>b</i> ) From all causes, and un- der 5 years of age .....	96·0	83·1	61·9	77·2	79·6	66·4	62·8	45·8
( <i>c</i> ) From zymotics (miasmatic) at every age .....	3·9	5·5	1·8	5·9	5·1	2·7	2·8	1·6
( <i>d</i> ) From all causes, exclusive of zymotics (miasmatic), at every age, .....	30·6	24·9	24·1	18·7	22·8	25·3	24·1	22·7
Marriage-Rate .....	7·7	5·7	6·8	8·1	6·7	6·8	6·5	9·0

The birth-rate in Aberdeen during the quarter was higher than in any of the eight principal towns of Scotland, except Glasgow, Paisley, and Greenock.

The death-rate from all causes and at all ages was lower than in any of the towns except Perth, whose death-rate was only very slightly less. The death-rate from all causes among children under five years of age was higher than in four of the towns, but lower than in three of them, viz., Glasgow, Edinburgh, and Leith. The death-rate from zymotic diseases was higher than in any of the other towns, Edinburgh coming next. The death-rate from all causes, exclusive of zymotics, was by much the lowest of any of the towns.

The marriage-rate was higher than in any of the towns except Perth.

MATTHEW HAY, M.D.,  
*Medical Officer of Health.*

ABERDEEN, 15th May, 1895.

VI. .  
CITY HOSPITAL, ABERDEEN.

REPORT FOR THE QUARTER ENDING 31ST MARCH, 1895.

*Zymotic Admissions and Deaths during the First Quarter of each Year from  
1886 to 1895 inclusive.\**

		1895.	1894.	1893.	1892.	1891.	1890.	1889.	1888.	1887.	1896.	1886-94.	
												Total.	Annual Average
Small Pox,	Admitted, .....	0	0	0	0	0	0	2	1	0	0	3	0.3
	Died, .....	0	0	0	0	0	0	1	0	0	0	1	0.1
	Percentage of Deaths to Admissions, ...	0	0	0	0	0	0	50.0	0	0	0	...	33.3
Measles, ...	Admitted, .....	15	10	15	0	0	32	32	0	62	0	151	16.8
	Died, .....	0	0	1	0	0	0	0	0	2	0	3	0.3
	Percentage of Deaths to Admissions, ...	0	0	6.7	0	0	0	0	0	3.2	0	...	2.0
Scarlet Fever, ...	Admitted, .....	65	86	45	89	125	29	12	39	70	95	590	65.5
	Died, .....	2	5	0	3	5	0	0	1	3	1	18	2.0
	Percentage of Deaths to Admissions, ...	3.1	5.8	0	3.4	4.0	0	0	2.6	4.3	1.0	...	3.1
Diphtheria,	Admitted, .....	6	5	11	5	5	4	0	0	0	3	33	3.7
	Died, .....	1	1	0	2	1	1	0	0	0	1	6	0.7
	Percentage of Deaths to Admissions, ...	16.6	20.0	0	40.0	20.0	25.0	0	0	0	33.3	...	18.2
Typhoid Fever,†...	Admitted, .....	0	3	0	0	0	0	1	1	0	0	5	0.5
	Died, .....	0	1	0	0	0	0	0	0	0	0	1	0.1
	Percentage of Deaths to Admissions, ...	0	33.3	0	0	0	0	0	0	0	0	...	20.0
Typhus Fever, ...	Admitted, .....	0	0	4	22	0	0	0	5	11	0	42	4.7
	Died, .....	0	0	0	1	0	0	0	1	2	0	4	0.4
	Percentage of Deaths to Admissions, ...	0	0	0	4.5	0	0	0	20.0	18.2	0	...	9.5
Other Zymotics, ...	Admitted, .....	0	0	1	1	1	16	0	1	0	0	20	2.2
	Died, .....	0	0	0	1	0	1	0	0	0	0	2	0.2
	Percentage of Deaths to Admissions, ...	0	0	0	100.0	0	6.2	0	0	0	0	...	10.0
Total Zymotic Cases, ..	Admitted, .....	88	104	76	117	131	81	47	47	143	98	844	93.8
	Died, .....	3	7	1	7	6	2	1	2	7	2	35	3.9
	Percentage of Deaths to Admissions, ...	3.4	6.7	1.3	5.9	4.6	2.5	2.1	4.3	4.9	2.0	...	4.1
Quarantine,	Admitted, .....	3	11	23	30	2	6	13	1	0	3	89	9.9
	Died, .....	1	0	0	0	0	0	0	0	0	0	0	0.0
	Percentage of Deaths to Admissions, ...	33.3	0	0	0	0	0	0	0	0	0	...	0.0

\* The Hospital did not come into full operation until towards the end of 1885.

† Cases of Typhoid Fever are not as a rule admitted, being sent to the Royal Infirmary and Sick Children's Hospital.

---

It will be observed that the total number of Zymotic cases admitted into the Hospital was 88, or nearly 6 under the average of previous years, and that the mortality was 3·4 per cent. as against an average of 4·1. Of the Scarlet Fever cases reported in the City, 83 per cent. were removed to the Hospital.

The rate of mortality for each disease was considerably less than among the cases of the same disease treated at home ; for example, the mortality among the cases of Scarlet Fever in Hospital was 3·1 per cent., whereas among the home treated cases it was 54 per cent. The latter is, however, to some extent accidental.

ABERDEEN, 15th May, 1895.

MATTHEW HAY, M.D.,  
*Medical Superintendent.*



AC 4675



CITY OF ABERDEEN.

---

# Report

BY THE

MEDICAL OFFICER OF HEALTH,

FOR THE QUARTER ENDING

30th JUNE, 1895.

V.  
CITY OF ABERDEEN.

REPORT BY THE MEDICAL OFFICER OF HEALTH  
For the Quarter Year ending 30th June, 1895.

The following are the statistics of the births, deaths, and marriages during the quarter:—

(a) WHOLE CITY.

Births.			Deaths.			Marriages.		
No.	Equivalent Annual Rate per 1000 of Population.	Average Rate 1892—94 (3 years.)	No.	Equivalent Annual Rate per 1000 of Population.	Average Rate 1892—94 (3 years.)	No.	Equivalent Annual Rate per 1000 of Population.	Average Rate 1892—94 (3 years.)
1163	34·9	31·9	721	21·6	18·7	288	8·6	8·9

(b) ST. NICHOLAS AND TORRY PORTION.

625	43·5	34·7	349	24·4	21·1	178	12·5	11·7
-----	------	------	-----	------	------	-----	------	------

(c) OLD MACHAR PORTION.

538	28·2	20·1	372	19·5	16·4	110	5·8	6·1
-----	------	------	-----	------	------	-----	-----	-----

In the following Table (I.) the deaths are grouped according to the age of the persons dying:—

TABLE I.—MORTALITY AT FIVE PERIODS OF LIFE.

*Second Quarter of 1895.*

AGE.	Population at each period of life Estimated to middle of 1895.	Per-centage of Population at each period of life.	Number of Deaths.	Per-centage of Deaths.	Equiv. Annual Death-Rate per 1,000 persons living at each period of life, 1895.	Average of 1890—94 (5 years).
Years.						
Under 5, . . . . . (Infant period).	18,394	13·75	255	35·37	55·61	47·18
5—15, . . . . . (School period).	30,046	22·46	35	4·85	4·67	4·98
15—25, . . . . . (Adolescent period).	26,459	19·78	41	5·69	6·22	6·38
25—60, . . . . . (Mature period).	48,091	35·95	179	24·83	14·93	13·76
Above 60, . . . . . (Post-mature period).	10,783	8·06	211	29·26	78·49	70·27
Totals, . . . . .	133,773	100·00	721	100·00	21·65	19·48

\* Estimated Population to middle of 1895—City, 133,773; of which in St. Nicholas (including Torry), 57,354, and in Old Machar (including Old Aberdeen and Woodside), 76,419.

TABLE II.—ABSTRACT OF THE METEOROLOGY, MORTALITY, AND MORBIDITY. Second Quarter of Year, ending 30th June.

METEOROLOGY.*										MORTALITY (expressed as annual Death Rate per 10,000 of Population).										ZYMOTIC MORBIDITY (being number of notified or discovered Cases of Sickness from principal Zymotic diseases).									
Year.	Mean Barometric Pressure (reduced).		Temperature.		Mean Humidity (Sat. 100).	Rain.		Hours of Sunshine.	Wind.		Miles per hour.	All Causes.	Zymotic Diseases.		Tubercular Diseases, chiefly Pulmonary.	Diseases of--					Developmental Diseases (incl. Old Age).	Total Cases.	Small Pox.	Measles.	Scarlet Fever.	Whooping Cough.	Typhus Fever.	Typhoid Fever.	Diphtheria.
	Ins.	° F.	Mean.	° F.		No. of Days it fell.	Amount.		Prevailing Directions.	Velocity.			Miasmatic.	Diarrhoeal.		Respiratory System (excl. Phthisis).	Chronic System.	Urinary System.	Nervous System.	Digestive System.									
2nd Quarter, 1885 .	29.998	48.9	12.3	77	46	4.24	627	S., N.W., & S.E.	10	216.5	28.0	1.8	33.6	34.3	22.7	4.8	23.1	14.4	14.4	1015	0	567	92	335	0	11	10		
2nd Quarter, 1884 .	29.936	47.4	9.9	80	52	6.14	506	S., S.E., & N.W.	11	187.5	26.2	0.6	31.3	28.7	18.6	4.9	24.9	14.1	8.5	1262	1	325	109	795	0	12	20		
1893 .	30.068	50.0	10.8	78	42	5.33	489	S., N.W., & S.E.	10	178.0	6.2	3.4	28.1	35.7	16.1	4.6	22.6	14.8	10.2	216	1	99	66	21	1	17	11		
1892 .	29.939	46.9	12.5	76	53	5.76	629	S., S.W., & N.W.	12	187.4	17.0	1.9	27.1	32.2	19.6	5.1	19.9	13.5	12.8	671	0	84	157	388	5	15	22		
1891 .	29.972	47.5	13.4	79	43	3.41	510	N.E., S., & N.	13	200.3	24.5	2.2	26.5	47.5	19.5	5.4	22.7	11.1	7.0	220	0	31	95	63	0	19	12		
1890 .	29.837	49.5	13.4	79	63	6.52	547	S.W., S., & N.	13	220.9	36.2	1.0	26.0	39.3	16.8	6.4	29.8	12.9	6.6	1282	0	447	44	758	0	20	13		
1889 .	29.878	52.2	11.4	76	44	4.95	545	S., S.E., & E.	11	200.6	26.0	3.0	28.9	34.3	16.0	5.9	23.9	13.2	9.8	1716	2	1648	13	36	3	11	3		
1888 .	29.922	47.0	13.9	78	46	5.87	539	N., N.E., & E.	15	194.8	9.4	4.0	22.9	42.4	19.5	8.0	26.6	15.5	8.0	215	3	8	21	170	0	11	2		
1887 .	30.052	49.5	15.3	77	40	4.71	597	N., N.E., & N.W.	13	222.3	50.6	3.1	22.9	42.2	14.7	4.4	28.0	16.9	4.4	971	16	642	128	155	7	20	3		
1886 .	29.889	47.8	14.1	75	50	6.60	538	S.W., N., & S.	12	194.7	10.8	7.0	29.8	33.2	15.7	4.8	28.4	15.6	7.7	463	1	47	147	259	0	3	6		
1885 .	29.826	48.7	13.9	75	47	7.44	506	S. & N.W.	12	179.9	4.6	3.5	26.1	31.0	18.3	4.9	30.7	12.4	8.1	143	0	6	53	59	2	14	9		
Means 1885-1894.	29.932	48.6	12.3	77	48	5.67	541	S., N., & N.W.	12	196.6	21.1	3.0	27.0	36.6	17.5	5.4	25.7	14.0	8.3	715.9	2.4	333.7	83.3	270.4	1.8	14.2	10.1		

\* From observations at King's College Observatory by Mr. W. Boswell.

The total death-rate during the second quarter of the year (21·6 per 1000 per annum) is high, though considerably lower than in the first quarter, when the rate was 24·6. The birth-rate (34·9) has also been distinctly above the average; while the marriage-rate has been about equal to the average.

The fall in the general death-rate since the earlier part of the year has been mainly felt in the St. Nicholas and Torry portion of the City, where the rate has fallen from 30·2 to 24·4, whereas in the Old Machar portion the rate has only declined from 20·4 to 19·5. The birth and marriage rates in the St. Nicholas portion were much higher than in the Old Machar portion.

As regards the mortality at the age periods in the whole city, the rate at the infant, mature, and post-mature periods was higher than the average for the corresponding quarter in the preceding five years, while at the school and adolescent periods, it was slightly lower than the average.

Compared with the corresponding quarter in the preceding ten years, the past quarter exhibits a total death-rate which is about 10 per cent. higher than the average. The death-rate from each of the following groups of diseases is also above the average, viz. —miasmatic (by 32 per cent.), tubercular (by 24 per cent.), circulatory (by 30 per cent.), digestive (by 3 per cent.), and developmental (by 73 per cent.); while the rate from each of the following is below the average, viz. —diarrhœal (by 40 per cent.), respiratory (by 6 per cent.), urinary (by 11 per cent.), and nervous (by 10 per cent.) The more remarkable points in the comparison are the high developmental, miasmatic, circulatory, and tubercular rates, and the low diarrhœal rate. ve/

The weather was, on an average, slightly warmer than usual, and less wet. The amount of bright sunshine was greater than usual.

---

TABLE III.—MORBIDITY AND MORTALITY OF ZYMOTICS (MIASMATICS) DURING THE SECOND QUARTER OF EACH YEAR FROM 1885 TO 1895, INCLUSIVE.

DISEASE.		1895	1894	1893	1892	1891	1890	1889	1888	1887	1886	1885	1885-94.	
													Total.	Annual Average
Small Pox,	No. of Sicknesses,	0	1	1	0	0	0	2	3	16	1	0	24	2.4
	No. of Deaths, ...	0	1	0	0	0	0	0	0	1	0	0	2	0.2
	Percent. of Deaths to Sicknesses,...	0	100.0	0	0	0	0	0	0	6.2	0	0	...	8.3
Measles, ...	No. of Sicknesses,	567	325	99	84	31	447	1648	8	642	47	6	3337	333.7
	No. of Deaths,.....	36	10	2	1	1	23	63	0	74	2	2	178	17.8
	Percent. of Deaths to Sicknesses,...	6.3	3.1	2.0	1.2	3.2	5.1	3.8	0	11.5	4.2	33.3	...	5.3
Scarlet Fever, ...	No. of Sicknesses,	92	109	66	157	95	44	13	21	128	147	53	833	83.3
	No. of Deaths,.....	3	7	1	1	8	2	0	1	10	2	1	33	3.3
	Percent. of Deaths to Sicknesses,...	3.3	6.4	1.5	0.6	8.4	4.5	0	4.7	7.8	1.3	1.9	...	4.0
Whooping Cough, ..	No. of Sicknesses,	335	795	21	388	63	758	36	170	155	259	59	2704	270.4
	No. of Deaths,.....	10	51	2	34	5	73	9	21	10	18	3	226	22.6
	Percent. of Deaths to Sicknesses,...	3.0	6.4	9.5	8.7	7.9	9.6	25.0	12.3	6.4	6.9	5.0	...	8.4
Diphtheria,	No. of Sicknesses,	10	20	11	22	12	13	3	2	3	6	9	101	10.1
	No. of Deaths,.....	1	7	5	8	3	2	2	0	1	4	3	35	3.5
	Percent. of Deaths to Sicknesses,...	10.0	35.0	45.5	36.4	25.0	15.4	66.6	0	33.3	66.6	33.3	...	34.6
Typhoid Fever, ...	No. of Sicknesses,	11	12	17	15	19	20	11	11	20	3	14	142	14.2
	No. of Deaths,.....	2	1	2	1	6	2	2	2	6	2	1	25	2.5
	Percent. of Deaths to Sicknesses,...	18.2	8.3	11.8	6.7	31.6	10.0	18.1	18.1	30.0	66.6	7.1	...	17.6
Typhus Fever, ...	No. of Sicknesses,	0	0	1	6	0	0	3	0	7	0	2	19	1.9
	No. of Deaths,.....	0	0	1	2	0	0	0	0	2	0	0	5	0.5
	Percent. of Deaths to Sicknesses,...	0	0	100.0	33.3	0	0	0	0	28.5	0	0	...	26.3
Totals, .....	No. of Sicknesses,	1015	1262	216	672	220	1282	1716	215	971	463	143	7160	716.0
	No. of Deaths,.....	52	77	13	47	23	102	76	24	104	28	10	504	50.4
	Percent. of Deaths to Sicknesses,...	5.1	6.1	6.0	7.0	10.5	7.9	4.4	11.1	10.7	6.0	7.0	...	4.2



Miasmatic sicknesses were considerably beyond the average in number, 1015 cases, with 52 deaths, having been reported, as against an average of 716 cases, with 50 deaths, in the corresponding quarter of the preceding ten years. The mainly prevalent infectious diseases were measles and whooping cough, which, together, accounted for 902 cases, the former predominating.

*Small Pox*—No cases.

*Measles* produced 567 cases, of which 36 (or 6·3 per cent.) died. This is a distinctly higher rate of mortality than has been experienced for several years.

*Scarlet Fever* was the cause of 92 cases of sickness, with 3 deaths (or 3·3 per cent.). This is very slightly above the average for the quarter. The rate of mortality is somewhat under the average.

*Whooping Cough*—Of this disease 335 cases, with 10 deaths, or a mortality of 3·0 per cent., were reported. The rate of mortality was remarkable for its lowness, being only a little above one-third of the average.

*Diphtheria* was somewhat less prevalent than for some years back, only 10 cases, with 1 death, having been reported. The exceptionally low mortality is gratifying.

*Typhoid Fever* was also somewhat less prevalent than usual, 11 cases, with 2 deaths, having been reported.

*Typhus Fever*—No cases.

TABLE IV.—BIRTH AND DEATH RATES OF THE EIGHT PRINCIPAL TOWNS IN SCOTLAND DURING THE QUARTER ENDING 30TH JUNE, 1895.

	Glasgow.	Edin- burgh.	Dundee.	Aber- deen.	Leith.	Paisley.	Greenock	Perth.
Estimated population ..... (in thousands).	696	274	160	134	73	72	62	30
Birth-Rate ..... (per 1000 of population).	35·7	29·2	29·0	34·9	32·6	34·5	35·5	31·3
Death-Rate ..... (per 1000 of population).								
(a) From all causes, and at every age .....	21·6	18·8	20·1	21·6	20·5	18·8	21·3	23·0
(b) From all causes, and un- der 5 years of age .....	60·2	48·2	51·2	55·6	66·3	52·8	55·1	55·0
(c) From zymotics (miasmatic) at every age .....	1·9	2·2	1·1	2·8	4·6	2·1	2·0	2·3
(d) From all causes, exclusive of zymotics (miasmatic), at every age, .....	19·7	16·6	19·0	18·8	15·9	16·7	19·3	20·7
Marriage-Rate .....	...	...	...	...	...	...	...	...

As compared with the other seven principal towns in Scotland during the quarter, Aberdeen had the third highest birth-rate, Glasgow and Greenock standing higher. It stood equal with Glasgow in having the second highest death-rate from all causes at all ages—Perth being the highest. It had the third highest death-rate among children under five years of age, Glasgow and Leith being higher. It was second highest in respect of the death-rate from miasmatic diseases, Leith standing distinctly highest. From all causes, exclusive of zymotics, the rate in Aberdeen was the fifth highest or third lowest—Glasgow, Dundee, Greenock, and Perth all being higher.

MATTHEW HAY, M.D.,  
Medical Officer of Health

ABERDEEN, 12th August, 1895.

VI.  
CITY HOSPITAL, ABERDEEN.

REPORT FOR THE QUARTER ENDING 30TH JUNE, 1895.

*Zymotic Admissions and Deaths during the Second Quarter of each Year from  
1886 to 1895 inclusive.\**

		1895.	1894.	1893.	1892.	1891.	1890.	1889.	1888.	1887.	1896.	1886-94.	
												Total.	Annual Average
Small Pox,	Admitted, .....	0	1	1	0	0	0	2	3	14	1	22	2.4
	Died, .....	0	1	0	0	0	0	0	0	1	0	1	0.1
	Percentage of Deaths to Admissions, ...	0	100.0	0	0	0	0	0	0	7.1	0	...	4.5
Measles, ...	Admitted, .....	21	88	55	72	4	70	179	1	17	4	490	54.4
	Died, .....	0	0	1	0	0	3	6	0	0	0	10	1.1
	Percentage of Deaths to Admissions, ...	0	0	1.8	0	0	4.3	3.3	0	0	0	...	2.0
Scarlet Fever, ...	Admitted, .....	75	74	42	114	59	12	9	13	51	79	453	50.3
	Died, .....	2	7	1	1	2	0	0	0	3	0	14	1.5
	Percentage of Deaths to Admissions, ...	2.7	9.5	2.4	0.8	3.4	0	0	0	5.8	0	...	3.1
Diphtheria,	Admitted, .....	7	0	1	8	8	3	1	0	1	0	22	2.4
	Died, .....	1	0	0	2	1	0	0	0	0	0	3	0.3
	Percentage of Deaths to Admissions, ...	14.3	0	0	25.0	12.5	0	0	0	0	0	...	13.6
Typhoid Fever,†...	Admitted, .....	1	1	0	0	0	0	0	0	0	0	1	0.1
	Died, .....	1	0	0	0	0	0	0	0	0	0	0	0.0
	Percentage of Deaths to Admissions, ...	100.0	0	0	0	0	0	0	0	0	0	...	0.0
Typhus Fever, ...	Admitted, .....	0	0	1	6	0	0	4	0	7	0	18	2.0
	Died, .....	0	0	1	2	0	0	0	0	2	0	5	0.5
	Percentage of Deaths to Admissions, ...	0	0	100.0	33.3	0	0	0	0	28.5	0	...	27.8
Other Zymotics, ...	Admitted, .....	2	2	2	0	1	9	0	0	0	0	14	1.5
	Died, .....	0	0	0	0	1	1	0	0	0	0	2	0.2
	Percentage of Deaths to Admissions, ...	0	0	0	0	100.0	11.1	0	0	0	0	...	14.3
Total Zymotic Cases, ..	Admitted, .....	106	166	102	200	72	94	195	17	90	84	1020	113.3
	Died, .....	4	8	3	5	4	4	6	0	6	0	36	4.0
	Percentage of Deaths to Admissions, ...	3.8	4.8	2.9	2.5	7.6	4.2	3.0	0	6.6	0	...	3.5
Quarantine,	Admitted, .....	4	17	21	24	4	12	30	0	9	5	122	13.6
	Died, .....	0	0	0	0	0	0	0	0	0	0	0	0.0
	Percentage of Deaths to Admissions, ...	0	0	0	0	0	0	0	0	0	0	...	0.0

\* The Hospital did not come into full operation until towards the end of 1885.

† Cases of Typhoid Fever are not as a rule admitted, being sent to the Royal Infirmary and Sick Children's Hospital.

The number of cases treated in the Hospital (110) was somewhat under the average for the quarter in preceding years, and, as usual, the cases were mainly of scarlet fever, one-fifth consisting of measles. There were no deaths among the measles cases, and the mortality among the scarlet fever cases amounted to only 2·7 per cent. It is of interest to note that nearly 82 per cent. of all reported scarlet fever cases in the City were removed to the City Hospital and treated there.

ABERDEEN, 12th August, 1895.

MATTHEW HAY, M.D.,  
*Medical Superintendent.*

---